

Sub  
C5  
B1  
ant

(b) analysing the nucleic acid obtained in (a) to determine whether a mutation is/is not present at an exon 17/intron splice sites of *KIT* gene,

wherein presence or absence of a mutation is correlated with coat color.

Sub  
C6  
B2

14. (Twice Amended) A method for determining coat colour genotype in a pig which comprises the step of analysing a sample of pig KIT protein to determine whether the protein is the splice variant protein, said protein being correlated with coat color.

15. (Amended) A kit for use in determining the coat colour genotype of a pig which comprises one or more reagents suitable for determining whether a mutation is present at an exon 17/intron splice sites of the *KIT* gene, wherein presence or absence of a mutation is correlated with coat color.